

# Fuel Filter Elements

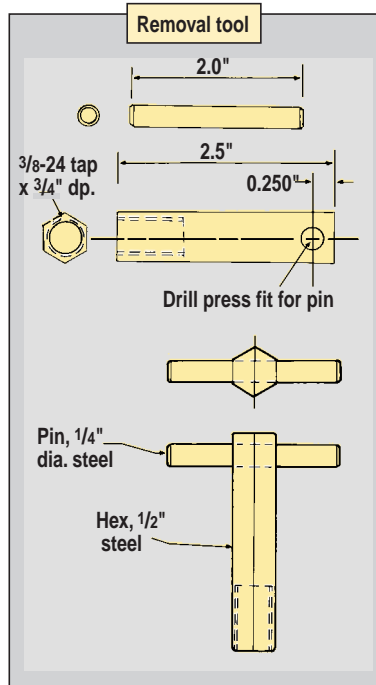
A patche maintainers, Para 10.1 in TM 1-1520-238-23-6 tells you to inspect both engine fuel filter elements and the filter bowls for contaminants after doing run-ups on your aircraft. But removing the fuel filter from its bowl can be a real exercise in damage control.

Para 6-46 in TM 1-2840-248-23 tells you to remove the filter element, NSN 2915-01-094-8577, from the bowl but doesn't say how.

If you've been putting a screwdriver to the filter to pry it out of the bowl, **stop!** You'll damage the threads on the bowl's shaft and on the fuel filter element and seal. Then the filter has to be replaced.

The best way to remove the filter without damage is with an engine fuel filter removal tool, designed by Ray Grimes and Bill Windham with DynCorp at Ft Rucker AL.

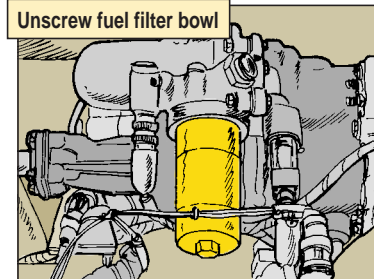
Have your AVIM shop fabricate the removal tool like so:



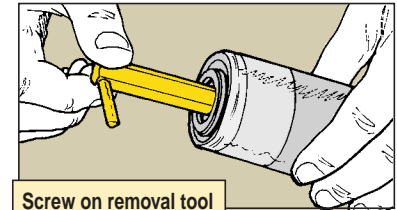
# Removal Tool

Here's how to use it:

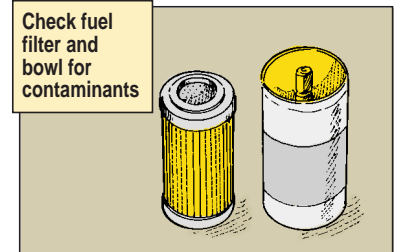
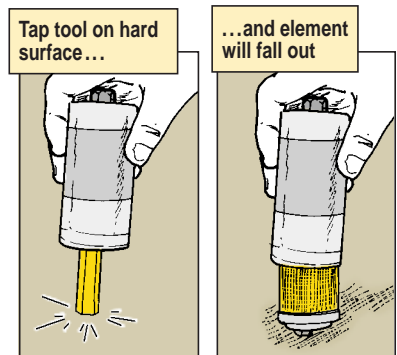
1. Remove the bowl and filter element from the engine.



2. Screw the removal tool shaft onto the threaded shaft in the bowl. (Make sure tool is clean. Clean with a lint-free cloth before use.)



3. Tap the tool on a hard surface and the filter will fall out.



4. During reinstallation, hand tighten the bowl only.

